Chairman,
Tunnelling & Underground Space Technical Division,
The Institution of Engineers Malaysia,
Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7968 4001/2 Fax: 03-7957 7678 Email: zainun@iem.org.my

# **REGISTRATION FORM**

# 1-Day Short Course on Environmental Effects of Blasting and Blast Monitoring Techniques

Date: 5th August 2019 (Monday)

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	sing Committee as stated in the car				ai
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Email:					
	Signature & Stamp		Date	e	

Photocopies are acceptable



# The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan

# 1-Day Short Course on Environmental Effects of Blasting and Blast Monitoring Techniques

Organised By: Tunneling & Underground Space Technical Division, IEM

Date: 5<sup>th</sup> August 2019 (Monday)

Venue: Auditorium Tan Sri Prof. Chin Fung Kee, 3<sup>rd</sup> Floor,

Wisma JFM Flatang Jaya
00pm

BE. pproved CPD Hours = 4
Ref. No.: IEM19/HO/281/C

REGISTRATION FEE :		
Grade	<u>Nc nal</u>	<u>Online</u>
MS d t		RM150.00
i ( ite	RM250.00	RM200.00
EM. Imb	RM400.00	RM350.00
Non IEM Member	RM800.00	RM750.00

#### Terms & Conditions:

- Closing date: 1st August 2019
- For ONLINE REGISTRATION, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current; Credit Card Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION.
- FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee shall still be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes and refreshments.
- The Organising Committee reserves the right to cancel, alter, or change the course due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

### **Synopsis**

In recent years there has been an increasing attention on blasting activity at quarryoperation as well as constructional blasting work especially on the environmental impacts of blasting. This one-day short course will discuss the environmental effects of surface and underground blasting and monitoring techniques of blast-induced ground vibration, air blast and noise. Blasting activity at highly populated area induced both fears and anxieties of the people living within the blast radius as well as comprises on their safety and may causes property damages.

Therefore, correct blast monitoring must be carried out in a proper manner to ensure that the results captured are both reliable and precise. This is not only to ensure compliance with the operational conditions imposed by the Authorities but also to protect both the project proponent and the blaster from claim of potential or alleged damages from blasting work. This short course also aims to allow the participants to develop a greater understanding and know-how on blast monitoring, analysis and record keeping of monitoring results.

# **Biodata of The Speakers**

Ir. Juna Azleen bin Abdul Ghani graduated from Universiti Sains Malaysia Mineral Resources Engineering in 1998. In the year 2000 Geosains (JMG) and started his service at JMG ipur. he pursued Master of Science in M rces Eng eerii niv citi 🗸 Pulau Pinang. His s nina site factors for scaled abo distance technique for I vity 7 urre y he is a Deputy Director of Quarry and Mines at JMG Joh Ir. Juna has interest in blasting especially in production blasting at quarry as we as controlled blasting at construction area. He is regularly to present papers on blasting at seminars and symposiums, and hardle res at courses related to blasting and blast monitoring co .. yıng Malaysia, Malaysia (IQM), Quarrying Aso iea tion ons hig a Professional Engineer regis Μŧ /sia, Corporate ngin Member of the Institution of I ello of Institute Quarrying Malaysia.

Ir. Hj. Look Keman bin Sahari graduated in mining engineering from University of Strathclyde, Glasgow, Scotland in 1979. He obtained M.Sc in Explosives Ordnance Engineering from Cranfield University (1991). He had attended many blasting courses locally organised by local explosive companies and in-house while he was serving as an engineer with the Mines Department (1979-1996). He had also attended courses on Explosives Technology for Open Pit and Underground Blasting (Queen University, Canada), Advanced Blasting organised by ICI /IQM ,1995 locally and Drilling & Blasting for Tunnelling (New Delhi). He had also given lectures on the subject at IEM and also Institute of Quarrying, Malaysia. He is also well versed in blast monitoring. He is currently a consultanting engineer, specialising in blasting. He is a Fellow of IEM, Committee member of Oil and Gas and mining Technical Division and also IEM Training Board.

## **Course Schedule & Outline**

PROGRAMME				
08:30 - 09:00	Registration			
09:00 – 10.30	Environmental Effects of Blasting			
10:30 - 11:00	Tea Break			
11:00 – 12:00	Environmental Effects of Blasting			
12:00 – 13:00	Blast Monitoring, Recording and Analysis			
13.00 – 14.15	Lunch and Zohor prayer break			
14.15 – 15.30	Blast Monitoring, Recording and Analysis			
15.30 – 15.45	Tea Break			
15.45 – 16.30	Bost nsit ng, cor ng nd Analysis C es ns nsv s			

TAF DIENCE

Ingineers/ Engineering Geologists overseeing blasting work, Consultant, Management, Blasters and whoever interested to know about 15 kg.

CANCELLATIC PC

IEM receives 2 int to stport, received in iting more than 7 days before start date of the course lowellowill be accepted less than 7 days before the course. However, eplace ent or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

#### PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at http://www.myiem.org.my and I agree to IEM's use and processing of my personal data as set out in the said notice